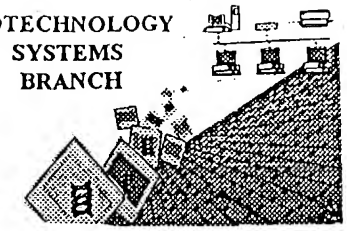
BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/787,267
Source: IFW10
Date Processed by STIC: 7/20/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.2 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**http://www.uspto.gov/ebc/efs/downloads/documents.htm**> , **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):** U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 10/787,267

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1	Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2	Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
3	Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4	Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5	Variable Length	Sequence(s) ____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6	PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7	Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences
8	Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence <210> sequence id number <400> sequence id number 000
9	Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
10	Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
11	Use of <220>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
12	PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
13	Misuse of n/Xaa	"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid

IFWO

RAW SEQUENCE LISTING DATE: 07/20/2004
PATENT APPLICATION: **US/10/787,267** TIME: 11:34:22

Input Set : **A:\GC687-3-D1-seqlist.txt**
Output Set: **N:\CRF4\07202004\J787267.raw**

```
 4 <110> APPLICANT: Dartois, Veronique A.
 5       Hoch, James A.
 6       Valle, Fernando
 7       Kumar, Manoj
 9 <120> TITLE OF INVENTION: 2,5-DKG Permeases
12 <130> FILE REFERENCE: GC687-3-D1
14 <140> CURRENT APPLICATION NUMBER: US 10/787,267
15 <141> CURRENT FILING DATE: 2004-02-25
17 <150> PRIOR APPLICATION NUMBER: US 09/922,501
18 <151> PRIOR FILING DATE: 2001-08-03
20 <150> PRIOR APPLICATION NUMBER: US 60/325,774
21 <151> PRIOR FILING DATE: 2000-08-04
23 <150> PRIOR APPLICATION NUMBER: US 60/421,141
24 <151> PRIOR FILING DATE: 2000-09-29
26 <160> NUMBER OF SEQ ID NOS: 22
28 <170> SOFTWARE: FastSEQ for Windows Version 4.0
30 <210> SEQ ID NO: 1
31 <211> LENGTH: 1500
32 <212> TYPE: DNA
33 <213> ORGANISM: environmental source
35 <220> FEATURE:
36 <221> NAME/KEY: CDS
37 <222> LOCATION: (94)...(1374)
39 <400> SEQUENCE: 1
40 ggcgaatagc ccggccggcg tcataataac ggccttctct gtaccctaca tacggcggcg     60
41 gcgtcatgaa cctcaacttt agtaggcaag cct atg aac agc tct acc aat gca     114
42                                     Met Asn Ser Ser Thr Asn Ala
43                                      1               5
45 acg aaa cgc tgg tgg tac atc atg cct atc gtg ttt atc acg tat agc     162
46 Thr Lys Arg Trp Trp Tyr Ile Met Pro Ile Val Phe Ile Thr Tyr Ser
47          10                  15                  20
49 ctg gcg tat ctc gac cgc gca aac ttc agc ttt gct tcg gca gcg ggc     210
50 Leu Ala Tyr Leu Asp Arg Ala Asn Phe Ser Phe Ala Ser Ala Ala Gly
51      25                  30                  35
53 att acg gaa gat tta ggc att acc aaa ggc atc tcg tcg ctt ctt ggc     258
54 Ile Thr Glu Asp Leu Gly Ile Thr Lys Gly Ile Ser Ser Leu Leu Gly
55  40                  45                  50                  55
57 gca ctt ttc ttc ctc ggc tat ttc ttc ttc cag atc ccg ggg gcg att     306
58 Ala Leu Phe Phe Leu Gly Tyr Phe Phe Phe Gln Ile Pro Gly Ala Ile
59                  60                  65                  70
61 tac gcg gaa cgc cgt agc gta cgg aag ctg att ttc atc tgt ctg atc     354
62 Tyr Ala Glu Arg Arg Ser Val Arg Lys Leu Ile Phe Ile Cys Leu Ile
63              75                  80                  85
```

Mandatory <213> has to be either artificial/unknown OR genus/species. responces

Does Not Comply
Corrected Diskette Needed

Invalid Response

pg. 1

↑Please see item # 10 on error Summary sheet.

RAW SEQUENCE LISTING DATE: 07/20/2004
PATENT APPLICATION: **US/10/787,267** TIME: 11:34:22

Input Set : **A:\GC687-3-D1-seqlist.txt**
Output Set: **N:\CRF4\07202004\J787267.raw**

```
65 ctg tgg ggc gcc tgc gcc tcg ctt gac cgg gat ggt gca caa tat tcc      402
66 Leu Trp Gly Ala Cys Ala Ser Leu Asp Arg Asp Gly Ala Gln Tyr Ser
67          90                  95                  100
69 agc gct ggc tgg cga tcc gtt tta ttc tcg gct gtc gtg gaa gcg gcg      450
70 Ser Ala Gly Trp Arg Ser Val Leu Phe Ser Ala Val Val Glu Ala Ala
71     105                 110                 115
73 gtc atg ccg gcg atg ctg att tac atc agt aac tgg ttt acc aaa tca      498
74 Val Met Pro Ala Met Leu Ile Tyr Ile Ser Asn Trp Phe Thr Lys Ser
75 120                 125                 130                 135
77 gaa cgt tca cgc gcc aac acc ttc tta atc ctc ggc aac ccg gtc acg      546
78 Glu Arg Ser Arg Ala Asn Thr Phe Leu Ile Leu Gly Asn Pro Val Thr
79                 140                 145                 150
81 gta ctg tgg atg tcg gtg gtc tcc ggc tac ctg att cag tcc ttc ggc      594
82 Val Leu Trp Met Ser Val Val Ser Gly Tyr Leu Ile Gln Ser Phe Gly
83             155                 160                 165
85 tgg cgt gaa atg ttt att att gaa ggc gtt ccg gcc gtc ctc tgg gcc      642
86 Trp Arg Glu Met Phe Ile Ile Glu Gly Val Pro Ala Val Leu Trp Ala
87         170                 175                 180
89 ttc tgc tgg tgg gtg ctg gtc aaa gtt aaa ccg tcg cag gtg aac tgg      690
90 Phe Cys Trp Trp Val Leu Val Lys Val Lys Pro Ser Gln Val Asn Trp
91     185                 190                 195
93 ttg tcg gaa aac gag aaa gcc gcg ctg cag gcg cag ctg gag agc gag      738
94 Leu Ser Glu Asn Glu Lys Ala Ala Leu Gln Ala Gln Leu Glu Ser Glu
95 200                 205                 210                 215
97 cag cag ggt att aaa gcc gtg cgt aac tac ggc gaa gcc ttc cgc tca      786
98 Gln Gln Gly Ile Lys Ala Val Arg Asn Tyr Gly Glu Ala Phe Arg Ser
99                 220                 225                 230
101 cgc aac gtc att cta ctg tgc atg cag tat ttt gcc tgg agt atc ggc      834
102 Arg Asn Val Ile Leu Leu Cys Met Gln Tyr Phe Ala Trp Ser Ile Gly
103             235                 240                 245
105 gtg tac ggt ttt gtg ctg tgg ttg ccg tca att att cgc agc ggc ggc      882
106 Val Tyr Gly Phe Val Leu Trp Leu Pro Ser Ile Ile Arg Ser Gly Gly
107         250                 255                 260
109 gtc aat atg ggg atg gtg gaa gtc ggc tgg ctc tct tcg gtg cct tat      930
110 Val Asn Met Gly Met Val Glu Val Gly Trp Leu Ser Ser Val Pro Tyr
111     265                 270                 275
113 ctg gcc gcg act att gcg atg atc gtc gtc tcc tgg gct tcc gat aaa      978
114 Leu Ala Ala Thr Ile Ala Met Ile Val Val Ser Trp Ala Ser Asp Lys
115 280                 285                 290                 295
117 atg cag aac cgt aaa ctg ttc gtc tgg ccg ctg ctg ctg att ggc gga     1026
118 Met Gln Asn Arg Lys Leu Phe Val Trp Pro Leu Leu Leu Ile Gly Gly
119                 300                 305                 310
121 ctg gct ttt att ggc tca tgg gcc gtc ggc gct aac cat ttc tgg gcc     1074
122 Leu Ala Phe Ile Gly Ser Trp Ala Val Gly Ala Asn His Phe Trp Ala
123             315                 320                 325
125 tct tat acc ctg ctg gtg att gcc aat gcg gca atg tac gcc cct tac     1122
126 Ser Tyr Thr Leu Leu Val Ile Ala Asn Ala Ala Met Tyr Ala Pro Tyr
127         330                 335                 340
129 ggt ccg ttt ttc gcc atc att ccg gaa atg ctg ccg cgt aac gtc gcc     1170
```

RAW SEQUENCE LISTING DATE: 07/20/2004
PATENT APPLICATION: **US/10/787,267** TIME: 11:34:22

Input Set : **A:\GC687-3-D1-seqlist.txt**
Output Set: **N:\CRF4\07202004\J787267.raw**

```
130 Gly Pro Phe Phe Ala Ile Ile Pro Glu Met Leu Pro Arg Asn Val Ala
131     345                 350                 355
133 ggt ggc gca atg gcg ctc atc aac agc atg ggg gcc tta ggt tca ttc     1218
134 Gly Gly Ala Met Ala Leu Ile Asn Ser Met Gly Ala Leu Gly Ser Phe
135 360                 365                 370                 375
137 ttt ggt tcg tgg ttc gtg ggc tac ctg aac ggc acc acc ggc agt cca     1266
138 Phe Gly Ser Trp Phe Val Gly Tyr Leu Asn Gly Thr Thr Gly Ser Pro
139                 380                 385                 390
141 tca gcc tca tac att ttc atg gga gtg gcg ctt ttc gcc tcg gta tgg     1314
142 Ser Ala Ser Tyr Ile Phe Met Gly Val Ala Leu Phe Ala Ser Val Trp
143             395                 400                 405
145 ctt act tta att gtt aag cct gct aac aat caa aag ctc ccc atc ggc     1362
146 Leu Thr Leu Ile Val Lys Pro Ala Asn Asn Gln Lys Leu Pro Ile Gly
147         410                 415                 420
149 gct cgt cac gcc tgacctttac tacttacgga gatcacgcct tgggtacgtt         1414
150 Ala Arg His Ala
151     425
153 gcaggacaaa ccgataggca ccgcaaaggc tggggccatc gagcagcgcg taaacagtca   1474
154 gctggttgct gtcgctgtgc ggcgtc                                       1500
156 <210> SEQ ID NO: 2
157 <211> LENGTH: 427
158 <212> TYPE: PRT
159 <213> ORGANISM: environmental source
161 <400> SEQUENCE: 2
162 Met Asn Ser Ser Thr Asn Ala Thr Lys Arg Trp Trp Tyr Ile Met Pro
163  1               5                  10                  15
164 Ile Val Phe Ile Thr Tyr Ser Leu Ala Tyr Leu Asp Arg Ala Asn Phe
165             20                  25                  30
166 Ser Phe Ala Ser Ala Ala Gly Ile Thr Glu Asp Leu Gly Ile Thr Lys
167         35                  40                  45
168 Gly Ile Ser Ser Leu Leu Gly Ala Leu Phe Phe Leu Gly Tyr Phe Phe
169     50                  55                  60
170 Phe Gln Ile Pro Gly Ala Ile Tyr Ala Glu Arg Arg Ser Val Arg Lys
171 65                  70                  75                  80
172 Leu Ile Phe Ile Cys Leu Ile Leu Trp Gly Ala Cys Ala Ser Leu Asp
173                 85                  90                  95
174 Arg Asp Gly Ala Gln Tyr Ser Ser Ala Gly Trp Arg Ser Val Leu Phe
175             100                 105                 110
176 Ser Ala Val Val Glu Ala Ala Val Met Pro Ala Met Leu Ile Tyr Ile
177         115                 120                 125
178 Ser Asn Trp Phe Thr Lys Ser Glu Arg Ser Arg Ala Asn Thr Phe Leu
179     130                 135                 140
180 Ile Leu Gly Asn Pro Val Thr Val Leu Trp Met Ser Val Val Ser Gly
181 145                 150                 155                 160
182 Tyr Leu Ile Gln Ser Phe Gly Trp Arg Glu Met Phe Ile Ile Glu Gly
183                 165                 170                 175
184 Val Pro Ala Val Leu Trp Ala Phe Cys Trp Trp Val Leu Val Lys Val
185             180                 185                 190
186 Lys Pro Ser Gln Val Asn Trp Leu Ser Glu Asn Glu Lys Ala Ala Leu
```

Same error — please see item #10 on error summary sheet.

RAW SEQUENCE LISTING DATE: 07/20/2004
PATENT APPLICATION: US/10/787,267 TIME: 11:34:22

Input Set : A:\GC687-3-D1-seqlist.txt
Output Set: N:\CRF4\07202004\J787267.raw

```
187         195                 200                 205
188 Gln Ala Gln Leu Glu Ser Glu Gln Gln Gly Ile Lys Ala Val Arg Asn
189     210                 215                 220
190 Tyr Gly Glu Ala Phe Arg Ser Arg Asn Val Ile Leu Leu Cys Met Gln
191 225                 230                 235                 240
192 Tyr Phe Ala Trp Ser Ile Gly Val Tyr Gly Phe Val Leu Trp Leu Pro
193                 245                 250                 255
194 Ser Ile Ile Arg Ser Gly Gly Val Asn Met Gly Met Val Glu Val Gly
195             260                 265                 270
196 Trp Leu Ser Ser Val Pro Tyr Leu Ala Ala Thr Ile Ala Met Ile Val
197         275                 280                 285
198 Val Ser Trp Ala Ser Asp Lys Met Gln Asn Arg Lys Leu Phe Val Trp
199     290                 295                 300
200 Pro Leu Leu Leu Ile Gly Gly Leu Ala Phe Ile Gly Ser Trp Ala Val
201 305                 310                 315                 320
202 Gly Ala Asn His Phe Trp Ala Ser Tyr Thr Leu Leu Val Ile Ala Asn
203                 325                 330                 335
204 Ala Ala Met Tyr Ala Pro Tyr Gly Pro Phe Phe Ala Ile Ile Pro Glu
205             340                 345                 350
206 Met Leu Pro Arg Asn Val Ala Gly Gly Ala Met Ala Leu Ile Asn Ser
207         355                 360                 365
208 Met Gly Ala Leu Gly Ser Phe Phe Gly Ser Trp Phe Val Gly Tyr Leu
209     370                 375                 380
210 Asn Gly Thr Thr Gly Ser Pro Ser Ala Ser Tyr Ile Phe Met Gly Val
211 385                 390                 395                 400
212 Ala Leu Phe Ala Ser Val Trp Leu Thr Leu Ile Val Lys Pro Ala Asn
213                 405                 410                 415
214 Asn Gln Lys Leu Pro Ile Gly Ala Arg His Ala
215             420                 425
217 <210> SEQ ID NO: 3
218 <211> LENGTH: 1775
219 <212> TYPE: DNA
220 <213> ORGANISM: environmental source
222 <220> FEATURE:
223 <221> NAME/KEY: CDS
224 <222> LOCATION: (214)...(1491)
226 <400> SEQUENCE: 3
227 ggcaatttgc ggtgtttttt ccgcaggacg ttcatcgtcc ggcctgtatt catcaacggc     60
228 cctgcgctat tcgcaaagtg gtggtgaaaa taccgctgcg ttatttaacg cccaataagc    120
229 aacaccgagt ttataaccct gaacgacacg gctgcgggcc tgtgtagacg cccctacgcc    180
230 ttaacaccac taaatgactc tacaggtgta tat atg aat aca gcc tct gtt tct     234
231                                     Met Asn Thr Ala Ser Val Ser
232                                      1               5
234 gtc acc caa agc cag gcg atc ccc aaa tta cgc tgg ttg aga ata gtg      282
235 Val Thr Gln Ser Gln Ala Ile Pro Lys Leu Arg Trp Leu Arg Ile Val
236          10                  15                  20
238 ccg cct att ctt att acc tgc att att tcc tat atg gac cgg gtg aac      330
239 Pro Pro Ile Leu Ile Thr Cys Ile Ile Ser Tyr Met Asp Arg Val Asn
240      25                  30                  35
```

Same error

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

RAW SEQUENCE LISTING DATE: 07/20/2004
PATENT APPLICATION: **US/10/787,267** TIME: 11:34:22

Input Set : **A:\GC687-3-D1-seqlist.txt**
Output Set: **N:\CRF4\07202004\J787267.raw**

```
242 atc gcc ttc gcc atg ccc ggc ggc atg gac gat gaa ctg ggc atc acc      378
243 Ile Ala Phe Ala Met Pro Gly Gly Met Asp Asp Glu Leu Gly Ile Thr
244  40                  45                  50                  55
246 gcc tcg atg gcc ggg ttg gcc ggc ggt att ttc ttt atc ggt tat ctg      426
247 Ala Ser Met Ala Gly Leu Ala Gly Gly Ile Phe Phe Ile Gly Tyr Leu
248                 60                  65                  70
250 ttc ttg cag gta ccc ggc ggc aag ctg gcg gtg tac ggc aac ggc aag      474
251 Phe Leu Gln Val Pro Gly Gly Lys Leu Ala Val Tyr Gly Asn Gly Lys
252             75                  80                  85
254 aaa ttc atc ggt tgg tcg ttg ttg gcc tgg gcg gtg att tcc gtg ctg      522
255 Lys Phe Ile Gly Trp Ser Leu Leu Ala Trp Ala Val Ile Ser Val Leu
256         90                  95                 100
258 acc ggg ctg gtc acg aat cag tat caa ttg ctg ttc ctg cgc ttc gcc      570
259 Thr Gly Leu Val Thr Asn Gln Tyr Gln Leu Leu Phe Leu Arg Phe Ala
260     105                 110                 115
262 ctc ggc cgt ttc cga agc ggc atg ctg cgg tgg gtg ctg acc atg atc      618
263 Leu Gly Arg Phe Arg Ser Gly Met Leu Arg Trp Val Leu Thr Met Ile
264 120                 125                 130                 135
266 agc aac tgg ttc ccg gac aag gaa cgc ggg cgc gcc aac gcc atc gtc      666
267 Ser Asn Trp Phe Pro Asp Lys Glu Arg Gly Arg Ala Asn Ala Ile Val
268                 140                 145                 150
270 atc atg ttc gtg ccg atc gcc ggc atc ctt acc gca ccg ctg tcc ggc      714
271 Ile Met Phe Val Pro Ile Ala Gly Ile Leu Thr Ala Pro Leu Ser Gly
272             155                 160                 165
274 tgg atc atc acc gcc tgg gac tgg cgc atg ctg ttc ctg gtc gag ggc      762
275 Trp Ile Ile Thr Ala Trp Asp Trp Arg Met Leu Phe Leu Val Glu Gly
276         170                 175                 180
278 gcg ctg tcg ctg gtc gtg atg gtg ctg tgg tat ttc acc atc agc aac      810
279 Ala Leu Ser Leu Val Val Met Val Leu Trp Tyr Phe Thr Ile Ser Asn
280     185                 190                 195
282 cgt cca caa gag gcc aaa agg att tcg cag gcg gaa aaa gat tat ctg      858
283 Arg Pro Gln Glu Ala Lys Arg Ile Ser Gln Ala Glu Lys Asp Tyr Leu
284 200                 205                 210                 215
286 atc aaa acg ctg cac gac gaa cag ttg ctg atc aaa ggc aaa acg gtg      906
287 Ile Lys Thr Leu His Asp Glu Gln Leu Leu Ile Lys Gly Lys Thr Val
288                 220                 225                 230
290 cgc aac gcc tcg ctg cgt cgg gtg ctg ggc gac aaa atc atg tgg aag      954
291 Arg Asn Ala Ser Leu Arg Arg Val Leu Gly Asp Lys Ile Met Trp Lys
292             235                 240                 245
294 ttc ttc tac cag acc ggg ata tac ggc tac acc ctg tgg ctg ccg acc     1002
295 Phe Phe Tyr Gln Thr Gly Ile Tyr Gly Tyr Thr Leu Trp Leu Pro Thr
296         250                 255                 260
298 att ctc aag ggg ctc acc aac ggc aat atg gag cag gtc ggg atg ctg     1050
299 Ile Leu Lys Gly Leu Thr Asn Gly Asn Met Glu Gln Val Gly Met Leu
300     265                 270                 275
302 gct atc ctg ccc tat atc ggc gcc atc ttc ggc atg ctg atc att tcc     1098
303 Ala Ile Leu Pro Tyr Ile Gly Ala Ile Phe Gly Met Leu Ile Ile Ser
304 280                 285                 290                 295
306 acc ctc tcc gat cgc acc ggc aag cgc aaa gtg ttc gtc gca ctg ccg     1146
```

VERIFICATION SUMMARY DATE: 07/20/2004
PATENT APPLICATION: **US/10/787,267** TIME: 11:34:23

Input Set : **A:\GC687-3-D1-seqlist.txt**
Output Set: **N:\CRF4\07202004\J787267.raw**

:1172 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13
:1175 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13